

# Physical and Cybersecurity for Critical Infrastructure Training Scheduled in April

Contact: Z. Mullennix, K. Cox

Date

Tuesday, April 25, 2017

Location

San Bernardino County Office of Emergency Services  
1743 Miro Way, Rialto CA 92376

Register

https://mgt452.eventbrite.com

Description

The national and economic security of the United States depends on the reliable functioning of critical infrastructure. This course encourages collaboration efforts among individuals and organizations responsible for both physical and cybersecurity toward development of integrated risk management strategies that lead to enhanced capabilities necessary for the protection of our Nation’s critical infrastructure.

Participants will identify physical and cybersecurity concerns impacting overall infrastructure security posture, examine integrated physical and cybersecurity incidents and the evolving risks and impacts they pose to critical infrastructure, and explore resources that can be applied to improve security within an organization, business, or government entity.

Prerequisite

There are no prerequisites for this course.

Requirements

FEMA/SID Number – Student must register and bring a copy of their SID number to class. Register online: [cdp.dhs.gov/femasid](http://cdp.dhs.gov/femasid)

Recommended

- IS-860.B: National Infrastructure Protection Plan (NIPP)
- IS-921.A: Implementing Critical Infrastructure Security and Resilience
- IS-913.A: Critical Infrastructure Security and Resilience: Achieving Results through Partnership and Collaboration
- [AWR-136: Essentials of Community Cybersecurity](#)
- [AWR-175W: Information Security for Everyone](#)
- [AWR-213: Critical Infrastructure Security and Resilience Awareness](#)
- [MGT-310: Jurisdictional Threat and Hazard Identification and Risk Assessment](#)

Topics

- Physical and Cybersecurity Overview
- Evolving Physical and Cybersecurity Risks to Critical Infrastructure
- Key Concepts and Resources to Improve Security

Audience

- Agricultural Safety
- Citizen/Community Volunteer
- Emergency Management
- Emergency Medical Services
- Fire Service
- Governmental Administrative
- Healthcare
- Hazardous Materials
- Information Technology
- Law Enforcement
- Public Health
- Public Safety Communications
- Private Sector/Corporate Security and Safety Professionals

- Public Works
- Search and Rescue
- Transportation Security
- Government Programs, Certifications and Accreditations

Education Credits

- 0.80 CEUs
- 8.00 hours - Oklahoma Council on Law Enforcement Education and Training (CLEET)

Contact Information

Kalina Cox, San Bernarndino County Office of Emergency Services

909-356-3998

Other Information

CLEET Accredited

This class has been accredited by the Oklahoma Council on Law Enforcement Education and Training for eight hours of mandatory continuing education credit. Regarding any law enforcement concepts, practices, methods, techniques, products, or devices as might be taught, promoted, or otherwise espoused in outside schools or seminars, there is no intent, expressed or implied, that 'accreditation' indicates or in any way conveys 'CLEET approval' of such concepts, practices, methods, techniques, products, or devices, unless such approval is explicitly stated by CLEET.



# OES Quarterly Report



San Bernardino County Fire, Office of Emergency Services



## Sock It To Us, Baby

Contact: K. Cox

In January a series of storms resulting from an atmospheric trough brought heavy rain, high winds, and snow to Southern California in spectacular fashion. The storm was at its worst January 19 – 23, 2017, causing road closures, localized and flash flooding, hundreds of toppled trees, power outages, swift water rescues, and mudslide and debris flow

snowpack is expected to be at its peak. Precipitation in Sierra Nevada has also already exceeded its yearly average, which is measured from October 1 to September 31 annually. Statewide, California’s snow water equivalent measurements are 150-220% percent of normal. Locally, Snow Summit received 70 inches of snowfall, Green Valley Lake, 59 and Big Bear, 51. In terms of precipitation Lytle Creek topped the list with 12.61 inches, with Chino Hills getting 7 and Rialto 5.5 inches.



mountain communities and several roads and highways were closed intermittently throughout the duration of the storm. Once roads were open, the population of tourists



Top left, clockwise: Lytle Creek; Hesperia; vehicles stuck in West Cajon; Cajon Pass; Cajon Pass area panorama; radar of heavy precipitation

to name a few.

Record rain and snow hit California, dumping feet of snowpack on the Sierra Nevada mountain range. Sierra Nevada, where more than 60% of California’s developed water supply originates from, received several feet of snow and is already 207% of its average April snowpack, April being the month that

The amount of rain caused flooding in many areas, resulting in numerous road closures and the need for 14 motorists in San Bernardino County to be rescued by swift water rescue teams made up of members of the San Bernardino County Fire and Sheriff’s Departments. Snow and ice on roads also called for chain requirements to be enacted in

swelled in some mountain communities, causing traffic congestion and unsafe driving conditions as some motorists parked illegally on the sides of the road to enjoy the newly fallen snow.

Wind gusts up to 60 MPH experienced in areas throughout San Bernardino County also wreaked havoc, toppling trees and snap



# Winter Weather Impacts and Preparedness

Contact: C. Nagy

Here in San Bernardino County we are truly blessed to have such diverse geographical areas to enjoy. From the desert to the valley to the mountains we never know what the weather will bring us, especially during the winter months.

Winter weather can impact each area differently – including high winds with blowing dust and downed trees, torrential rains causing flooding and mud/rockslides and heavy snow creating impassable roadways and power outages.

As the weather changes it is our job at the County Office of Emergency Services to be alert and to share as much information to our staff, county departments, cities/towns, partners and residents of San Bernardino County.

When traveling throughout San Bernardino County during the winter months its best to

be prepared for flooding rains, blowing dust, and snowfall that will impact our deserts, the valley and mountain roads and passes. The best way to prepare is to have at least a half tank of gasoline in your vehicle and to carry water, food, blankets, and chains.

“Turn Around Don’t Drown” and “Don’t Trash the Mountain” are two heavily publicized campaigns that are out there to help visitors and residents alike remember when traveling throughout San Bernardino County it is their



responsibility to help with the health and wellbeing of themselves and others. We have all seen on the local news what happens to those that don’t listen to the importance of this messaging.

The storms of January 2017 spread far and wide across San Bernardino County and



Results of Big Bear Valley students trying to clean up trash left by visitors. Courtesy of Tracy Tokunaga

Southern California – practice preparedness and teach others to do the same.

One of the best ways to get prepared is to download the new SBCounty Ready App from the app store on your mobile phone. This app will help you prepare for any disaster that lies ahead.

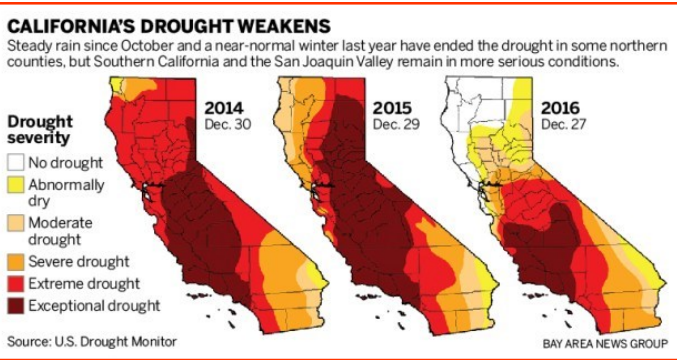


## Storms

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-ping branches. Several communities suffered power outages, including areas of Crestline, Lake Arrowhead, Running Springs and Green Valley Lake; at one point affecting approximately 1,700 customers.

The media and many residents are asking if the spate of recent prolific winter storms have cured California of its water woes. According to an article and accompanying weather data on weather.com, Southern California is recovering from the drought much less than Northern California and



“according to the Drought Monitor analysis released [January 12, 2017], all of northern California north of Interstate 80 is now free of drought... If this active storm pattern continues through the next couple of months, substantial drought relief is possible. But it will likely take multiple near to above-average wet seasons to completely replenish reservoirs and ground water and to end the

state's multi-year drought.”

While this storm series was novel and dramatic in a very dry California, we take a moment to remember those negatively affected by record and near-record amounts of rainfall and snowfall among other potential perils early in this new year. We urge you to exercise caution, patience and preparedness in times of extreme weather and to take the time to develop a personal and family preparedness plan and get your disaster supply kit together. Visit our website at <http://www.sbcfire.org/oes/Documents.aspx> for a step-by-step guide to creating your family disaster kit and plan.

# Grants Update

Contact: M. Antonucci; K. Gonzalez

## FY2015 Homeland Security Grant Program

The grant is ongoing. The Fund Status reports were due 2/1/2017. **Only expenditures for approved projects will be reimbursed, so any modifications to projects require State approval prior to incurring costs.** Please turn in the reimbursement requests as soon as they are finalized to avoid confusion with overlapping grants. Please be sure not to deploy equipment prior to verification and tagging by the Grants Unit. The second milestone is 7/31/2017 which means 75% of the project should be completed.

Mile-stone	% Required	Completion Date
2 <sup>nd</sup>	75%	July 31, 2017
3 <sup>rd</sup>	100%	March 31, 2018

## FY2016 Homeland Security Grant Program

The Grants Unit submitted the application to

the State and is awaiting approvals. San Bernardino County Fire Protection District went to the Board of Supervisors to accept the award in November. Once the application approval is received from the State, County OES will notify the subrecipients of their approved projects, which may vary from the proposed projects submitted. Keep in mind that if your project has a hold trigger such as an EHP, EOC, FBI, sole source request(s) or your project includes an item(s) on the Controlled Equipment List, additional approval is required prior to proceeding. Should you need a modification please submit them as soon as possible so the Grants Unit may plan and process accordingly.

## FY2017 Homeland Security Grant Program

The Call for Projects email was emailed on 1/3/17 and the deadline to submit your project proposals was 2/1/2017. This is the preliminary application phase for FY17 HSGP, should we need further information we will be in contact.

## FY2016 Emergency Management Performance Grant

Thank for everyone for submitting your Quarterly Performance Reports. They were

reviewed and submitted to the State on time. The next Quarterly Performance Report is due 4/6/17.

Mandatory Cumulative Performance Reporting due dates:

Reporting Period	Report Due Date
7/1/16 - 3/31/16	4/6/17
7/1/16 - 5/31/16 Final Cumulative	6/5/17

Fund Status Reports were due to the Grants Unit on 1/31/17. Failure to comply with these requests may result in the forfeiture of your allocated funds and/or exclusion from future EMPG grant funding.

The last modification request will be due to the Grants Unit on 4/6/17. Please submit your modification requests to the Grants Unit as soon as possible for proper review and processing and to avoid delay. Reimbursement requests can be submitted as necessary but are due no later than 6/5/2017. Please do not delay in submitting reimbursement requests as funds are expended and documentation is compiled as the performance period ends on 5/31/2017.

## Milestones in Service

Contact: M. Peren

The San Bernardino County Fire, Office of Emergency Services has recently honored six members of the team for their 5, 10, and 15 years of service to the residents of the County. Over 50 years of dedicated service has been accumulated between all six members. The County Office of Emergency Services has capitalized on this experience by employing these individuals that possess a vast knowledge of the County and the many nuances that make-up the culture and essence

of San Bernardino County.

Cheryl Nagy, Zack Mullennix, John Lopez, and Carrie Cruz have accomplished 5 years of service. Marc Peren has provided 10 years of service. Rosemary Alford achieved 15 years of service. These team members have brought to County OES experience from the private sector, city government, and county government that has enhanced the expertise and professionalism of the Division. This exceptional performance has been reflected by the multiple awards and recognitions awarded County OES from the local, state, and federal levels.



Nagy, Alford



Peren, Cruz



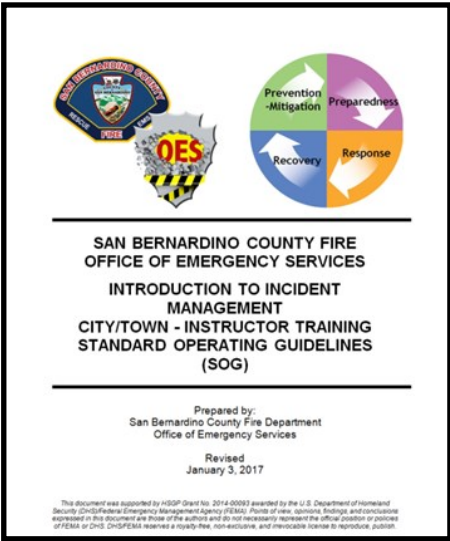
Mullennix, Lopez



# County OES Develops Introduction to Incident Management Training

Contact: R. Lindsay

The San Bernardino County Fire, Office of Emergency Services (OES), utilizing FY2014 Homeland Security Grant Program (HSGP) funding, has developed a standardized training tool called “Introduction to Incident Man-



agement” (IIM) for Operational Area (OA) Emergency Operations Center (EOC) Responders and other stakeholders including City/Town EOC Responders and County volunteers. The curriculum follows the California Specialized Training Institute (CSTI)

# OES Valley EOC Upgrades

Contact: Z. Mullennix

The OP Area EOC is going through some changes, to improve operational readiness and meet green efficiency standards. Work begun in 3<sup>rd</sup> quarter 2016 and will continue through 2<sup>nd</sup> quarter 2017. Projects include a

complete HVAC system replacement, upgrade of EOC floor lighting to Title 24 LED fixtures and new parking lot resurfacing. Additionally a new phone system and wireless access points have been installed to provide a more robust and stable infrastructure.

Second quarter 2017 will see replacement of exterior lighting and gates to improve compound safety. County OES staff is also working on a possible EOC floor adjustment to create additional workspace. Stay tuned to see the changes.



EOC parking lot resurface

# Rotarian Club Tour

Contact: M. Peren

The San Bernardino County Fire, Office of Emergency Services (OES) hosted a meeting for the Rotary Club of Victorville under the request of Chief Munsey. County OES was honored to provide the venue for such a prestigious group of people. The opportunity to educate such an influential group of the

community was invaluable. The Rotarians worked closely with Rosemary Alford to coordinate for all of their needs with the facility and the catering and audio/visual needs for the meeting. The Rotarians were quite engaged with presenters Cindy Serrano and Marc Peren during their presentation and engaged in deeper conversations on how the High Desert Emergency Operations Center (EOC) will be utilized during a large scale incident. To thank the OES office, the Rotarians were gracious enough to dedicate a children’s book in Rosemary Alford’s

SEMS/NIMS/ICS Combination Course model to provide a local and customizable training and certification for basic emergency management awareness. The seven module IIM curriculum is designed to be conducted in a 6 to 7 hour timeframe.

There are two deliveries of the IIM training. The OA version provides an understanding of how County OES is the “lead agency” providing required emergency management oversight 24/7/365 within the County. Local emergency managers have been provided a thumb-drive with a “local” version of this training that includes the PowerPoint presentations, Instructor Standard Operating Guidelines (SOG), Instructor Guide, sample agenda, sample invitation and Certificate of Completion template providing multi-tasking emergency managers the tools necessary to customize emergency management training in

name and County OES to be donated to the Victorville Library. The Rotarians then shared a catered lunch with the OES staff and provided networking opportunities and general goodwill to their hosts.

The tour was a great gesture of partnership between government and the private sector. The tour also provided reassurance and government transparency to a small but concerned group of citizens of what local government can do for them, and what they can do for their community in which they live, work, and play.

# Credentialing the Discipline of Emergency Management

Contact: R. Lindsay

The California Governor’s Office of Emergency Services (Cal OES) and California Specialized Training Institute (CSTI) conducted a pair of emergency management professional development workshops in Southern California in January 2017, one of which was hosted locally by the City of Rancho Cucamonga. Mike Brady, Chief of the CSTI Emergency Management Section led the workshop discussion of the emergency management components and standards for EOC (Emergency Operations Center) Position Credentialing. CSTI has developed Type I, II, and III credentialing requirements for emergency manage-

ment professionals. The prescribed coursework is a pathway for those seeking to obtain the necessary certifications, training, experience and education to be identified as a NIMS EOC personnel resource either locally or nationally. The Cal OES/CSTI EOC Position Credentialing Program became effective November 1, 2016.

In addition to rolling out EOC Position Credentialing, Mr. Brady introduced the Emergency Management Career Credentialing Program based on the CESA (California Emergency Services Association) Emergency Management Roadmap/Competency Framework. This program focuses on the identification of education, skills and work experience necessary to be recognized as a professional in the field of Emergency Management. The Career Cre-

credentialing Program is slated to be implemented in July 2017.



Brady discussing program with top emergency managers



Program roll-out in Rancho Cucamonga

# OA Hazard Mitigation Plan Project

Contact: M. Wagner

An effort to update and approve FEMA-required Hazard Mitigation Plans (HMP) countywide started in June 2016. The consultant hired to assist in this effort has provided a template, various risk assessment data, tables and charts, analysis, and maps of the most likely threats and risks threatening the Operational Area (OA). The consultant further divided the data for each of the 24 city/towns of the OA. This was provided to the cities/towns for their use in updating their local HMP’s. Jurisdictions updating their

HMP’s are using the templates and guidance documents to complete revisions with the goal of submitting their revised plan to Cal OES/FEMA by the end of the first 2017 quarter.

The County Office of Emergency Services began updating the County Multi-jurisdictional Hazard Mitigation Plan (HMP) in June 2016 as part of an effort to update expiring or expired local HMPs OA-wide. The HMP is a plan that identifies, ranks, and determines appropriate mitigation measures for various natural hazards that threaten the citizens and residents of the unincorporated



areas of San Bernardino County. The FEMA approved plan allows the county to receive several

types of FEMA mitigation grants including HMP, and flood control grants. Some other federal grants use the FEMA approved plan as a scoring factor when awarding grants.

The plan is good for five years from the FEMA approval date. The County HMP expired on October 10, 2016, while the plan was under revision. Through a collaborative effort of the County Office of Emergency Services, County Fire Department, County Flood Control District, and Special Districts Department, a County Planning Team was convened. The Planning Team met over the last few months and a new HMP was developed with input from the citizens and residents of the county, the involved county departments, and other local stakeholders. The plan will be submitted to Cal OES/FEMA in February 2017.

Upon approval, the County will again be eligible to receive FEMA grants for hazard mitigation and flood control projects. The plan will be revised again in 2022.



# Waterman Incident — One Year Later

Contact: R. Lindsay



The plastic flowers are faded, the American flags are tattered and there are fewer visitors to the spontaneous memorial at the corner of Orange Show Road and Waterman Avenue, but on December 2, 2016, the world recognized the one year anniversary of the terror attack on County Department of Public Health, Environmental Health Services employees attending training at the Inland Regional Center. The County Board of Supervisors expressed the county’s continued dedication to those lost in a video message posted on the county website and a community “Night of Remembrance” was sponsored and hosted by California State University San Bernardino (CSUSB).



One year later, our county family continues to support victims and their families as they struggle to recover and find a way forward. The County Office of Emergency Services (OES) remains active participating in the county CEO’s post incident coordination meetings. We have turned our mourning into action by the contributions we have been able to make toward strengthening the discipline of emergency management. Our personal response and recovery experiences have yielded lessons learned and have revealed significant issues related to local response to terrorism incidents. Our lessons began on December 2, 2015, and we contin-

ue to learn hard lessons in the days and months since then. Some of the Waterman Incident related activities County OES has been involved in over the past year are:

- Refined with regional and state partners the California MHOAC (Medical Health Operational Area Coordinator) resource request process and interface with the Cal EOC mission tasking process, which has resulted in a better system and the development of a Cal EOC MHOAC Board.
- Assisted in the development of an RFP for



a consultant to capture the countywide After Action Report that will be produced in 2017.

- Contributed to political conversations in Washington D.C. regarding the Stafford Act and efforts to influence the provision of Federal Terrorism Funding at the local

level. Recently the Board of Supervisors moved to reallocate \$1 million of a \$4 million federal terrorism grant award to victims and their families. The award was in response to the \$20 million in county Waterman Incident costs.

- Participated in several meetings with Sacramento lawmakers to forge a process for establishing eligibility for CDAA (CA Disaster Assistance Act) cost recovery funds for jurisdictions that experience disasters as a result of acts of terrorism.
- Increased active shooter/terrorism awareness by hosting and funding ongoing Operational Area emergency manager training.
- Shared emergency management lessons learned by providing “The San Bernardino Terror Attack: Emergency Response Before, During and After the Waterman Incident” at the CESA conference for the benefit of California emergency managers. It has also been shared at annual emergency management conferences for the states of Utah, Minnesota and later this month, New York.
- Enhanced our Terrorism Liaison Program, dedicating two ESOs to keep the OA informed regarding international and domestic terror attacks and warnings.
- Participated in the County Homeland Security Grant Program Approval Authority decision to earmark FY16 HSGP funding for the development of a County COOP/COG Plan.

A year later, County OES is dedicated to not only remembering the anniversary of when terror came to town and those that terror touched, we are also mindful that it is left to us to continue the work that shines light into the darkness. The hardest work of all will be done by the victims of this senseless tragedy. We honor them best by leading the way in the field of emergency management by providing the benefit of our experience to others. SB Strong.

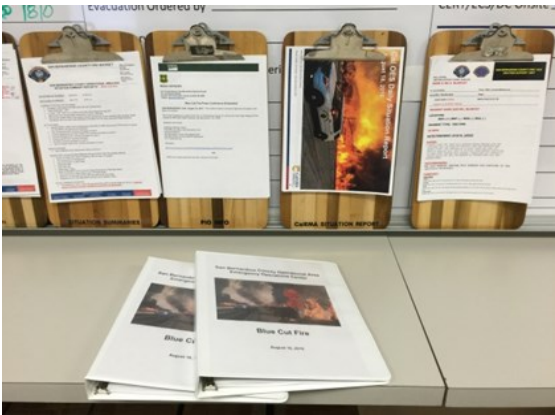
“The final test of a leader is that he leaves behind him in other men, the conviction and the will to carry on.” -Walter Lippmann

# Restructuring County OES EOC Plans/Intel Section

Contact: C. Cruz

The County Office of Emergency Services (OES) has been working on a complete overhaul/rewrite of the Standard Operating Procedures (SOPs) for the Operational Area Emergency Operations Center (OA EOC) Section Positions. However, in light of recent activations and lessons learned from these incidents, restructuring and fine tuning the roles and responsibilities of the Plans/Intel Section has been elevated to a priority project and includes the entire County OES staff in the process.

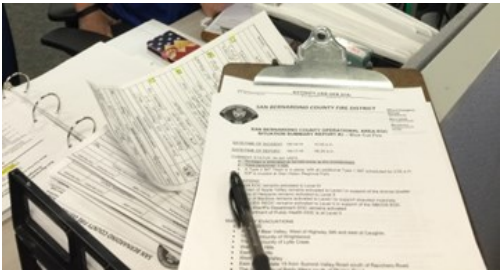
The OA EOC activated 11 times between 2015 and 2016, including the Waterman Incident, BLM Rallies, and the Pilot and Bluecut Fires. These high stress and extended activations over a continuous period of time creat-



Flash Reports, IAPS, incident documentation and other reference materials used in EOC activations

ed the perfect environment for deficiencies and/or areas of improvement to our current processes to come to the surface. With support and direction from OES management, to date the entire OES team has been involved in three (3) EOC P/I Section meetings.

The purpose of the meetings are to review and drill down each of the roles, responsibilities, and processes for all of P/I section positions with the goal of improving our effectiveness and how we conduct busi-



Typical forms, checklists and other materials used in EOC activations

ness internally and externally. Lessons learned from recent activations formed the foundation for the priorities and issues that needed to be addressed before the next activation.

What has become evident is that we are only as good as our last activation. When things become routine or mundane, or staff is just exhausted... ask yourself and remember why we are all in this business of emergency management and what our purpose is during an EOC activation.

Through this process County OES has refocused our efforts and



Fay Glass, Redlands EM; Robin Lindsay, County OES ESO

mindset to be operating from the same sheet of music (*new EOC SOP's*) and with cohesion and with clarity on our purpose, “We activate with the purpose of coordinating and responding to people in need....” The EOC SOP project will include detailed checklists of the *who, what, and how* during the activation, operational and demobilization phases and is targeted for completion by mid-year. EOC SOPs are also listed as a priority project in the 5-Year Implementation Plan of the SBCOA Strategic Plan, and thus we will be sharing our EOC SOPs with all Cities/Towns.



Angelic Bird, former EM for Montclair and Upland

ANNOUNCEMENTS: TRAINING, EXERCISES, EVENTS, ETC.			
NAME	DATE	TIME	LOCATION
JIC/PIO 2-day Workshop	3/29-3/20	8a – 5p	OES
Terrorism 3: Advanced Counterterrorism Strategies	5/1-5/3	8a – 5p	OES